

# **TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 30, NO. 1, 2022**

Riesz Basis in de Branges Spaces of Entire Functions, Sa'ud Al-Sa'di and Hamed Obiedat,	12
Solving the linear moment problems for nonhomogeneous linear recursive sequences, Mohammed Mouniane, Mustapha Rachidi, and Bouazza El Wahbi,.....	27
The Atomic Solution for Fractional Wave Type Equation, Iman Aldarawi,.....	40
Asymptotic behavior of solutions of a class of time-varying systems with periodic perturbation, M. A. Hammami, H. Meghnafi, and M. Meghnafi,.....	48
Generalized Canavati Fractional Hilbert-Pachpatte type inequalities for Banach algebra valued functions, George A. Anastassiou,.....	66
Generalized Ostrowski, Opial and Hilbert-Pachpatte type inequalities for Banach algebra valued functions involving integer vectorial derivatives, George A. Anastassiou,.....	78
Multivariate Ostrowski type inequalities for several Banach algebra valued functions, George A. Anastassiou,.....	95
Gap Formula for the Mexican hat wavelet Transform, Abhishek Singh, Aparna Rawat, and Nikhila Raghuthaman,.....	107
Modelling the fear effect in prey predator ecosystem incorporating prey patches, Anal Chatterjee,.....	114
Non-polynomial fractal quintic spline method for nonlinear boundary-value problems, Arshad Khan, Zainav Khatoon, and Talat Sultana,.....	130
Numerical analysis of Non-Linear Waves Propagation and interactions in Plasma, Chiman Lal, Ram Dayal Pankaj, and Arun Kumar,.....	153
Multiple Summation Formulae for the Modified Multivariable I-Function, D.K.Pavan Kumar, Fredric Ayant, Y. Pragathi Kumar, N.Srimannarayana, and B.Satyanarayana,.....	165
Analysis of unsteady MHD Williamson nanofluid flow past a stretching sheet with nonlinear mixed convection, thermal radiation and velocity slips, M. Das, B. Kumbhakar, and J. Singh,.	176

## **TABLE OF CONTENTS, JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, VOL. 30, NO. 2, 2022**

Markovian Queueing Model with Single Working Vacation and Server Breakdown, M.Seenivasan and R.Abinaya,.....	210
Generalized fractional operators and their image formulas, Manish Kumar Bansal, Kottakkaran Sooppy Nisar, Junesang Choi, and Devendra Kumar,.....	222
New Fixed Points Outcomes for Fractal Creation by Applying Different Fixed Point Technique, Narayan partap, Sarika Jain, and Renu Chugh,.....	236
The complement on the existence of fixed points that belong to the zero set of a certain function due to Karapinar et al., Pathaithep Kumrod and Wutiphol Sintunavarat,.....	249
Dynamical Analysis on Two Dose Vaccines in the Presence of Media, Payal Rana, Dinkar Jha, and Sudipa Chauhan,.....	260
Certain problems in ordered partial metric space using mixed g-monotone, Richa Sharma, Virendra Singh Chauhan, and Garima Agarwal,.....	281
Numerical Study of Viscous Dissipation, Suction/Injection Effects and Dufour Number also with Chemical Reaction Impacts of MHD Casson Nanofluid in Convectively Heated Non-Linear Extending Surface, Sanju Jangid, Ruchika Mehta, and Devendra Kumar,.....	290
Non-polynomial spline solution of one dimensional singularly perturbed parabolic equations, Shahna, Talat Sultana, and Arshad Khan,.....	312
Solving System of Boundary Value Problems using Non polynomial Spline Methods Based on Off-step Mesh, Sucheta Nayak, Arshad Khan, and R. K. Mohanty,.....	323
Numerical study of the space fractional Burger's equation by using Lax-Friedrichs-implicit scheme, Swapnali Doley, A. Vanav kumar, and L. Jino,.....	343
Optimal Control of two-strain typhoid transmission using treatment and proper hygiene/sanitation practices, Tsegaye Kebede Irena and Sunita Gakkhar,.....	355
Bicomplex Laplace Transform of Fractional Order, Properties and applications, Urvashi Purohit Sharma and Ritu Agarwal,.....	370